

Abstract of the Disclosure

A process for treating waste products discharged in a waste water from an animal operation, such as a swine confinement facility includes a holding tank for receiving waste water from the flushing of the facility in which solids to accumulate at the bottom thereof; wherein a conveyor transfers solids from said bottom at a rate preventing agitation of the waste water, to a compactor for removing additional water content and to a product dryer for converting the solids into a dry product. The product dryer includes a water heating system with water lines connected in a closed loop to the holding tank. The heating system thermal treats the circulating waste water and waste solids to a temperature sufficient to reduce undesired constituents therein. The product dryer is vented to a separator for recovering ammonia contents in the waste material.